



Meridian

Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

5171 Wilfong Road
Memphis, TN 38134
USA

Telephone: 901-382-8716

Fax: 901-333-8223

Email: info@meridianlifescience.com

www.MeridianLifeScience.com

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: K90071C **Lot #:** 3L33919

Description: Sheep anti Uromucoid
Sheep Antibody to Human Uromucoid

Specificity: Gives a single arc when tested by IEP against fresh urine. No arcs are visible when tested by IEP against serum. Identity has been confirmed by double diffusion (Ouchterlony) against uromucoid and a known anti-uromucoid.

Host Animal: Sheep

Immunogen: Human Uromucoid, purified from human urine.

Format: Purified, Liquid

Purification: Adsorbed to monospecificity by use of solid-phase adsorbants followed by ion exchange chromatography. The titer is adjusted so that inter-batch variation is within 10%. Product is 0.2 µm filtered.

Concentration: 15.3 mg/mL (OD280nm E^{1%} = 14.5)

Buffer: Glycine Buffered Saline, pH 7.4

Preservatives: 0.099% Sodium Azide, 0.1% E-Amino-n-Caproic acid, 0.01% Benzamidine, 1 mM EDTA.

Applications: Suitable for use in a variety of gel techniques including radial immunodiffusion (RID), double diffusion, and immunoelectrophoresis (IEP). The use of 3% PEG 6000 with 1.2% Agarose in a suitable buffer (such as TBE or Tris-Barbital pH > 8.2) is recommended. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

RID: 10 µL antiserum/cm² in gel vs 5 µL Uromucoid 50 mg/L Neat - 1:5.

Double Diffusion: 10 µL antiserum vs 3 µL Uromucoid 50 mg/L.

IEP: 100 µL antiserum vs 5 µL Uromucoid 50mg/L.

Storage: Upon receipt, store at 2–8°C. Slight precipitation can occur on storage, which may be removed by centrifugation, and should not affect performance characteristics.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The references listed below are for research purposes only:

1. Belge, H., et al., (2007), "Renal expression of parvalbumin is critical for NaCl handling and response to diuretics, *PNAS*, **104**(37): 14849-14854.
2. Stricklett, P.K., et al., (2003), "Thick ascending limb-specific expression of Cre recombinase", *Am. J. Physiol. Renal. Physiol.*, **285**: F33-F39.

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY